

I/we claim:

Sub A1
5 1. In an aerosol spray apparatus, for applying an antimicrobial agent to a surface to be disinfected, comprising an aerosol spray nozzle coupled to a container means comprising gas propellant means and means for containing a liquid disinfectant composition able to be sprayed from the apparatus, said aerosol apparatus being configured for dispensing said disinfectant composition through said spray nozzle, under pressure due to the presence of the gas propellant means, as an aerosol spray onto said surface to be disinfected, the improvement wherein the liquid disinfectant composition is a liquid flash-dry disinfectant composition comprising a flash vaporisation component and an effective amount of an antimicrobial agent, said flash vaporisation component being able, once the flash-dry disinfectant composition is sprayed from the apparatus, to flash vaporise so as to leave an essentially dry surface having antimicrobial agent deposited thereon.

10 2. An aerosol apparatus as defined in claim 1 wherein said liquid flash-dry disinfectant composition consists of said flash vaporisation component and said antimicrobial agent.

Sub A2
15 3. An aerosol apparatus as defined in claim 1 or 2 wherein said antimicrobial agent comprises hydrogen peroxide.

4. An aerosol apparatus as defined in claim 1 or 2 wherein said flash vaporisation component comprises ethanol.

25 5. An aerosol apparatus as defined in claim 1 wherein the flash-dry disinfectant composition comprise 3 to 30% by volume hydrogen peroxide, 10 to 50 % by volume of ethanol and 10 to 65 % by volume of water.

Sub A2
30 6. A liquid flash-dry aerosol disinfectant composition comprising a flash vaporisation component and an effective amount of an antimicrobial agent, said flash vaporisation component being able, once the flash-dry disinfectant composition is sprayed in aerosol form onto a surface, to flash vaporise so as to leave an essentially dry surface having

antimicrobial agent deposited thereon.

7. A liquid flash-dry aerosol disinfectant composition as defined in claim 6 wherein said liquid flash-dry disinfectant composition consists of said flash vaporisation component and said antimicrobial agent.

8. A liquid flash-dry aerosol disinfectant composition as defined in claim 6 wherein said antimicrobial agent comprises hydrogen peroxide.

9. A liquid flash-dry aerosol disinfectant composition as defined in claim 6 wherein said flash vaporisation component comprises ethanol.

10. A liquid flash-dry aerosol disinfectant composition as defined in claim 6 wherein the flash-dry disinfectant composition comprises 3 to 30% by volume hydrogen peroxide, 10 to 85 % by volume of ethanol and 10 to 65 % by volume of water.

11. A method for disinfecting a surface comprising applying a liquid flash-dry disinfectant composition as an aerosol spray onto such surface, said liquid flash-dry aerosol disinfectant composition comprising a flash vaporisation component and an effective amount of an antimicrobial agent, said flash vaporisation component being able, once the flash-dry disinfectant composition is sprayed in aerosol form onto a surface, to flash vaporise so as to leave an essentially dry surface having antimicrobial agent deposited thereon.

12. A method as defined in claim 11 wherein said liquid flash-dry disinfectant composition consists of said flash vaporisation component and said antimicrobial agent.

13. A method as defined in claim 11 wherein said antimicrobial agent comprises hydrogen peroxide.

14. A method as defined in claim 11 wherein said flash vaporisation component comprises ethanol.

15. A method as defined in claim 11 wherein the flash-dry disinfectant composition comprises 3 to 30% by volume hydrogen peroxide, 10 to 85 % by volume of ethanol and 10 to 65 % by volume of water.

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16. A method as defined in claim 11 wherein said antimicrobial agent and said flash vaporisation component are mixed together just prior to said liquid flash-dry aerosol disinfectant composition being applied to said surface.

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Sub A4
17. In an aerosol spray apparatus, for applying an antimicrobial agent to a surface to be disinfected, comprising an aerosol spray nozzle coupled to a container means comprising gas propellant means, said aerosol apparatus being configured for dispensing a liquid disinfectant composition through said spray nozzle, under pressure due to the presence of the gas propellant means, as an aerosol spray onto said surface to be disinfected, the improvement wherein said liquid disinfectant composition is a liquid flash-dry disinfectant composition able to be sprayed from said apparatus, said liquid flash-dry disinfectant composition comprising a flash vaporisation component and an effective amount of an antimicrobial agent element, said flash vaporisation component being able, once the flash-dry disinfectant composition is sprayed from the apparatus, to flash vaporise so as to leave an essentially dry surface having antimicrobial agent deposited thereon, wherein said container means comprises a first container means containing said antimicrobial agent and a second container means containing said flash vaporisation component and wherein said aerosol spray apparatus comprises mixing means for mixing said antimicrobial agent and said flash vaporisation component together prior to dispensing said liquid flash-dry disinfectant composition through said spray nozzle.

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18. An aerosol apparatus as defined in claim 17 wherein said liquid flash-dry disinfectant composition consists of said flash vaporisation component and said antimicrobial agent.

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19. An aerosol apparatus as defined in claim 17 wherein said antimicrobial agent comprises hydrogen peroxide.

20. An aerosol apparatus as defined in claim 17 wherein said flash vaporisation component comprises ethanol.

5 21. An aerosol apparatus as defined in claim 17 wherein the flash-dry disinfectant composition comprises 3 to 30% by volume hydrogen peroxide, 10 to 85 % by volume of ethanol and 10 to 65 % by volume of water.

add A5